

**POLLUTION REPORT**  
**INITIAL/FINAL POLREP**

**I. HEADING**

Date: April 25, 1994  
Subject: Lakewood Cyanide  
From: Mike Zimmerman  
To: Debbie Dietrich, Director, ERD  
POLREP No.: Initial/Final POLREP

**II. BACKGROUND**

Site No.: 7B  
Delivery Order No.: 0035-08-048  
Response Authority: CERCLA  
NPL Status: Non-NPL  
Action Memorandum Status: Pending  
Start Date (Removal): March 17, 1994  
Demobilization Date: April 11, 1994  
Completion Date: April 11, 1994

**III. RESPONSE INFORMATION****A. Situation**

The Site is located at 2500 Youngfield Street in Lakewood, Colorado. This street runs in a north/south direction on the extreme west side of the City of Lakewood, Colorado. Located at this address is a single-story office building that housed dental offices and a realty and appraisal business. This building and its relatively large parking area are situated on the east side of Youngfield Street. Less than 50 feet to the north is Zee's Cafe; and less than 50 feet to the east on the opposite side of a fence are several residences. On the opposite side of Youngfield Street are several businesses including the Mesa Veterinary Hospital and a residential neighborhood. In general, the area of the Site can be described as a busy commercial area closely surrounded by a residential neighborhood. There is considerable pedestrian and automobile traffic throughout the area.

On March 10, 1994, several items were discovered next to a dumpster on the property. The discarded items included a stainless steel sink, a large glass flask of a type used by laboratories, and a small metal container labeled "potassium cyanide." The owner, Mr.

Dennis Wedig, notified the Lakewood Police Department and the Emergency Response Branch of the EPA of the finding. Lakewood police placed the small container in a 55-gallon steel drum and locked in a shed on the property. Efforts to identify the responsible party have been unproductive to date.

Cyanide is a hazardous substance as defined by Section 101(14) of CERCLA. Cyanide is acutely toxic as a result of its ability to disrupt oxygen utilization on a cellular level. Cyanide has been shown to adversely affect the cardiovascular system, the liver, kidneys and skin. Cyanide compounds can enter the body via ingestion, inhalation, and by absorption through the skin. Therefore, direct dermal contact with cyanide could pose a significant threat to human health.

When potassium cyanide is dissolved in and reacts with water, some hydrogen cyanide is released. In addition to the toxic potential, hydrogen cyanide is highly flammable. Reactions of potassium cyanide with acids or oxidizing materials would create highly toxic hydrogen cyanide gas and/or explosive conditions.

**B. Actions Taken**

A delivery order was issued to ERCS Zone 4A - Riedel Environmental Services, Inc. on March 16, 1994. ERCS, TAT, and the OSC mobilized to the Site on March 17, 1994. The 55-gallon steel drum was transported to a temporary storage facility at Building 11, National Environmental Investigation Center (NEIC), at the Denver Federal Center. A qualitative test was performed on the waste material by TAT and confirmed that the white granulated solid is a cyanide material. The 55-gallon steel drum was repacked for shipping consistent with 49 CFR Part 106, Department of Transportation Regulations.

After taking competitive bids, ERCS had the material transported via Rollins CHEMPAK, Inc., on April 11, 1994 from NEIC to Rollins Environmental Services, Inc., an approved RCRA permitted facility for incineration located in Deer Park, Texas. An intermediate transportation stop for the material is the Rollins facility in Los Angeles, California.

**C. Next Steps**

Project close-out.

D. Key Issues

None.

V. COST INFORMATION

ESTIMATED EXPENDITURES TO DATE:

	Amount Budgeted	Costs To Date	Amount Remaining
ERCS	\$3,000	\$1,500	\$1,500
TAT	1,000	500	500
Contingency	800	-0-	800
EPA	<u>2,000</u>	<u>600</u>	<u>1,400</u>
TOTAL	\$6,800	\$2,600	\$4,200

POLREP FILE GENERATION

(to be submitted by OSC with initial Polrep)

Site Name: Lakewood Grande  
City/County/State: Lakewood/CO  
SSID Number: TB Case Number: C0940282

Note: All Initial and Final Polreps must be approved by the CERCLIS person before distribution can be made.

Distribution:

1. Branch & Section Chiefs  
CERCLIS Contact (Crisler, Giedt, Kercher, Ferguson)
2. Division & Deputy Division Director (Duprey, Godsil)
3. ERD - Headquarters Attn: Steve Luftig (5202G)  
Greg Weigel (5202G)
4. Region Response Team members (19 members, via fax)
5. Office of External Affairs (80EA) Attn: Sonya Pennock  
Mary Hagen
6. Office of Regional Counsel (8RC) Attn: NONE ASSIGNED
7. On-Scene Coordinator: Mike Zimmerman
8. Environmental Protection Specialist: BOB MCKINNEY
9. Administrative Records Coordinator: (Tina Artemis)  
(3 copies)
10. State Program Director/Manager: STEVE GONDERSON  
Address: \_\_\_\_\_  
\_\_\_\_\_
11. National Pollution Funds Center: Yes or (No)
- 12.
- 13.
- 14.

## POLREP DISTRIBUTION LOG

Site: Lakewood Grande

OSC: Mike Zimmerman

<u>Polrep #</u>	<u>Date Sent</u>	<u># of Copies</u>
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Age Group	Strongly agree	Agree	Disagree
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30-49	~75%	~20%	~5%
50-69	~65%	~25%	~10%

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